

# Annual Report 1991



PRINCE EDWARD ISLAND DEPARTMENT OF AGRICULTURE



# **Prince Edward Island Department of Agriculture Annual Report**

For the fiscal year ending March 31, 1991  
and Activities Report for the year ending  
December 31, 1991

*The mission of the Department of Agriculture is to promote the sustainable growth and development of the agri-food industry.*



P.E.I.  
Agriculture

## Agriculture in 1991

The 1991 crop growing season on Prince Edward Island was highlighted by a temperate and sunny summer, followed by a cool wet fall harvest. Producers reported fluctuations in yields across the Island, ranging from poor to very favourable. Some of the later grains had to be abandoned due to wet harvest weather. The potato harvest brought undue stress to many farmers as this wet fall weather delayed harvesting. However, the first severe frost of autumn was late, allowing farmers to salvage much of their crop. A small acreage of potatoes was abandoned due to conditions, while a more significant acreage was ordered plowed under by Agriculture Canada due to testing positive for the presence of PVYn. Tests later proved that many of these positive fields were actually disease-free.



The PVYn crisis in the potato industry dominated much of agricultural news in 1991. Here, Agriculture Minister Keith Milligan meets reporters following a meeting with Maine potato representatives, led by Dave Laveway (l) of the Maine Potato Board.

The grain harvest reported near-normal yield on wheat and barley, while the reported yield on the oats and mixed grain harvests were lower. There was a sharp increase in the number of acres not harvested this year. Grain prices remained low, reflecting the situation in the global grain market. Tame hay production was the lowest in over a decade dropping to half the record harvest of 1989. Tobacco acreage rose to 1,890 acres in 1991 in compensation for producing less than the quota amount the previous year. Despite the rise in acreage, yields were off slightly. Tobacco acreage peaked in Prince Edward Island in 1984, and production is currently about 40 percent of 1984 levels.

The most important crop to Prince Edward Island is the potato crop. The 1991 potato area was the largest ever recorded at 78,000 acres. Yields were lower, down at 240 hundredweights per acre. The Island industry was rocked in early 1991 when the presence of the potato virus Y-necrotic was detected in our crop. The virus, which has been commonplace in European potatoes for the past fifty years and is proven harmless to humans, is not tolerated in North America due to its ability to reduce yields in other crops, especially tobacco. Despite the PVYn fiasco, potato prices were a little stronger for the 1991 crop as a result of lower

production in the northeast and aggressive marketings into export areas. Seed potato sales into traditional markets reflected an obvious absence. Off-shore export markets were the highest achieved since the mid-1970's, when Island potatoes were supplying a drought-riddled Europe.

The Island's livestock industry is experiencing difficult market conditions. Depressed grain prices have helped offset lower meat prices but profiteering is not abundant in the livestock sector. Beef profits were fairly stable due to average prices combined with marginally changed marketings. The cyclical cattle industry continues to reflect a demand-driven market, although local production is on the high side of the ten-year average. The number of hogs on Island farms is at its lowest level since the 1970's. Production is down a full 20 percent from the peak production at 200,000 head only three short years ago. Hog prices stymied the industry, sliding to a 12-year low at yearend.

The fastest growing sector of the livestock economy continues to be chicken, reaching record production levels. While the chicken market flourishes, the rest of the poultry industry is anything but on-fire as fresh shell egg production declined for the fifth consecutive year.

### Potatoes

Problems experienced with weather and PVYn dropped harvested acreage in 1991, resulting in 4,000 acres ordered plowed down by Agriculture Canada and 1,500 more acres not harvested. The overall yield was significantly lower although the initial record planting area partially offset this. This year's harvest produced just over 18 million hundredweights from 75,300 acres. Prices got support from strong demand on the off-shore export market. The processing industry giants, McCain Foods and Cavendish Farms provided welcome markets to Island growers as well, combining to capture a significant portion of available supplies.

### Field Crops

Weather was the chief contributor to reduced yields in the 1991 oats and mixed grain harvests. The yields on barley and wheat were near normal. Consistent with the last few years, prices remained depressed due to global oversupply, the lack of resolution of the GATT negotiations and a changing global marketplace. The quantity of forage harvested dropped sharply in 1991 as the area planted to tame hay fell by 5 percent and yields plummeted.

### Berries

The local strawberry industry sighed relief in 1991 as production and prices were both reported stronger. The combination of production and price gains propelled the industry's value 35 percent higher, bringing it back to the profitability levels of the mid-1980's. Prices were firm in the early marketing season, but fell in their usual manner as the season progressed. The 1991 blueberry crop was smaller than the record 1990 crop, with prices also similar to the previous year.

## Vegetables

The unusual growing season played havoc with the 1991 vegetable crop, as cool early weather teamed with a hot, dry summer and a rainy wet fall to drop the harvested production in most crops.

Broccoli yields were lower on the early season market as frost damaged much of the early planting. The mid-season crop was also weather beaten as much of that crop flowered. The late season broccoli crop, however, was reported to be good.

Brussel sprouts were hampered by pests which damaged the 1991 crop driving yields lower. Meanwhile cauliflower reported results similar to broccoli with late season plantings performing strongly while early and mid-season plantings were hampered by weather.

The Island lettuce crop suffered from poor prices, and yields which were off sharply. Parsnips were one of the brightest spots despite small acreage. Parsnips reported normal to good yields on the 1991 crop.

Sweet corn was affected by poor prices despite yields best described as normal. All the sweet corn came onto the market at the same time this year, causing a problem with oversupply which effectively kept prices in check.

Fresh cucumbers and squash were other bright spots, enjoying favourable yields and prices.

This year's carrot crop had a high cullage rate although prices were near normal. Cabbage yields were normal with average prices.

Rutabaga yields were below normal as germination was poor in early season due to dryness. Rutabaga acreage abandoned was substantial as well, and cullage was reported high at farm gate.

## Dry Beans

Dry beans remains a new and to a large degree experimental crop for Prince Edward Island. In 1991, an estimated 1,200 acres were planted. This crop looked promising up to harvest time when only 40 percent were able to be harvested due to wet weather. Only about 60 percent of the harvest was of marketable quality. Again this year, a surplus of beans was reported in Ontario and northern US which held prices down.

## Fur

In 1987, close to 200 fur ranchers operated on Prince Edward Island, a number which has since fallen to just over half. Since 1986, prices trended steadily lower, bottoming in 1990 at less than one-fifth the 1986 price. Mink farming is a small but important industry on PEI. Eleven producers pelt mink valued at a quarter million dollars per year. Mink prices, like foxes, peaked in the mid 1980's and have declined since that time although not at the same alarming rate as fox prices. Fur farming, especially foxes, can be traced back in excess of one hundred years on Prince Edward Island, where some of the world's best breeding stock were raised and sold at the turn of the century.

## Poultry and Eggs

Consumer preference for white meat, especially chicken and turkey, continues to dominate the North American meat industry. Prince Edward Island chicken production is approaching equilibrium with quota of 2.2 million kilograms production per year. The Canadian egg industry is undergoing major adjustment. Consumption remains relatively steady with the traditional small decline still in evidence. One-quarter of all eggs consumed in North America are processed eggs which has stressed the fresh shell egg market.

## Swine

Island pork production is continuing to drop as prices hamper profitability. This year's mid-summer price rally drove prices to a yearly peak price at \$178.78 per 100 kilograms (\$81/cwt.). As normal, these prices were short-lived. 1991 provided an average price of only \$146 per 100 kilograms (\$66/cwt.). Island hog production is in a downswing, following the peak production in the mid-1980's.

## Beef

Island beef production remains relatively static although 1991 production is above the five year average. Beef is produced on close to 60 percent of the Island's farms. Prices have remained static. Low grain prices and the practice of feeding cull potatoes has helped keep beef farming profitable.

## Sheep and Lambs

The production decline in sheep and lambs on Prince Edward Island halted with a small but symbolic turnaround. The annual decline which brought on-farm numbers down to 5,000 at July 1, 1990, hinted that the market may have found a bottom since the 1991 on-farm number rose 10 percent to 5,500 head.

## Dairy

Dairy production has remained static during the past number of years ranging from 93 to 100 million liters annual production. The marketing breakdown remains 15 percent sold to fluid sales with 85 percent used for processing. In the past five years the number of fluid milk producers has risen by over 50 percent while the number producing for the industrial market has halved.

## Farm Net Income

Farm Cash Receipts for 1991 dropped to \$223 million, down \$22 million from 1990. Crop receipts fell \$30 million with livestock down \$2 million. A \$10 million increase in Direct Payments to Producers will help to offset this decrease. On the expenses side of the income statement, a small drop was noted which was not enough to salvage a huge drop in farm incomes. Island farm incomes dropped to \$48 million, a drop of 24 percent. The farm economic situation is disturbing. The most recent results reflect year-end 1990 and portray total farm debt at a record \$178 million, up over 9 percent from a year earlier.



## MINISTRY OF AGRICULTURE ACTS

The Department is responsible for the administration of the following Acts:

Agricultural Development Corporation Act  
Agricultural Products Marketing Act  
Agrologists Act  
Animal Health and Protection Act  
Apiary Inspection Act  
Artificial Insemination Act  
Dairy Industry Act  
Dairy Producers Act  
Dog Act  
Farm Implement Act

Federal Implement Act  
Federal Dairying Company Act  
Fences and Detention of Stray Livestock Act  
Grain Elevators Act  
Livestock Community Auction Sales Act  
Natural Products Marketing Act  
Pesticides Control Act  
Plant Health Act  
Potato Crop Mortgage Act  
Poultry and Poultry Products Act  
Veterinary Profession Act  
Weed Control Act  
Women's Institute Act



P.E.I.  
Agriculture



Prince Edward Island Department of Agriculture  
Charlottetown, 1991

To the Honourable Marion L. Reid  
Lieutenant Governor of Prince Edward Island

Madame:

I have the honour to submit herewith the Annual Report of the Department of Agriculture comprised of financial statements for the period April 1, 1990 to March 31, 1991 and activities for the calendar year, 1991.

I have the honour to be, Madame,  
Your obedient servant,

Keith Milligan  
Minister of Agriculture



To The Honourable Keith Milligan  
Minister of Agriculture

Sir:

I am pleased to submit herewith a report of the activities of the Department of Agriculture for the year ended December 31, 1991, and the fiscal report for the fiscal year ended March 31, 1991.

The aim of all Department activities is to sustain and enhance the economic and personal wellbeing of people involved in agriculture and food production and thereby, promote the sustainable growth and development of the Prince Edward Island agri-food industry, an industry of vital importance to the economy of Prince Edward Island.

In recent months the diversity of challenges, changes and uncertainties facing the Prince Edward Island agri-food sector has been greater than at any time in recent memory.

A major challenge is the PVYn situation. Real progress has been made by governments and industry working closely together in eradicating PVYn and developing alternate offshore markets for Prince Edward Island table and seed potatoes.

In efforts to reduce uncertainties and create a better environment for agriculture, the Department has been actively involved in reviewing and influencing changes in a host of areas, including Canada's trade relationships (GATT, North American Free Trade Agreement) and agri-food policy (better safety nets for farmers, improved transportation policies and commodity programs, and environmental sustainability initiatives).

There are significant opportunities to increase Prince Edward Island sales of primary and processed agri-food products and agricultural technology in domestic and export markets. These opportunities can be seized through the Department working closely with the industry and agencies to successfully exploit the full range of market opportunities to utilize Prince Edward Island's abundant agricultural resources.

The changes taking place affecting the agri-food sector require the Department to re-examine its role, organization and programs in supporting the enhancement of farm productivity and competitiveness. To better address the competitiveness forces in the marketplace, the Department of Agriculture is taking steps to institute quality enhancement programs to strengthen the marketability and profitability of agri-food products, and to implement a comprehensive farm management training and counselling program to strengthen knowledge transfer to improve returns to Prince Edward Island farmers.

Respectfully submitted,

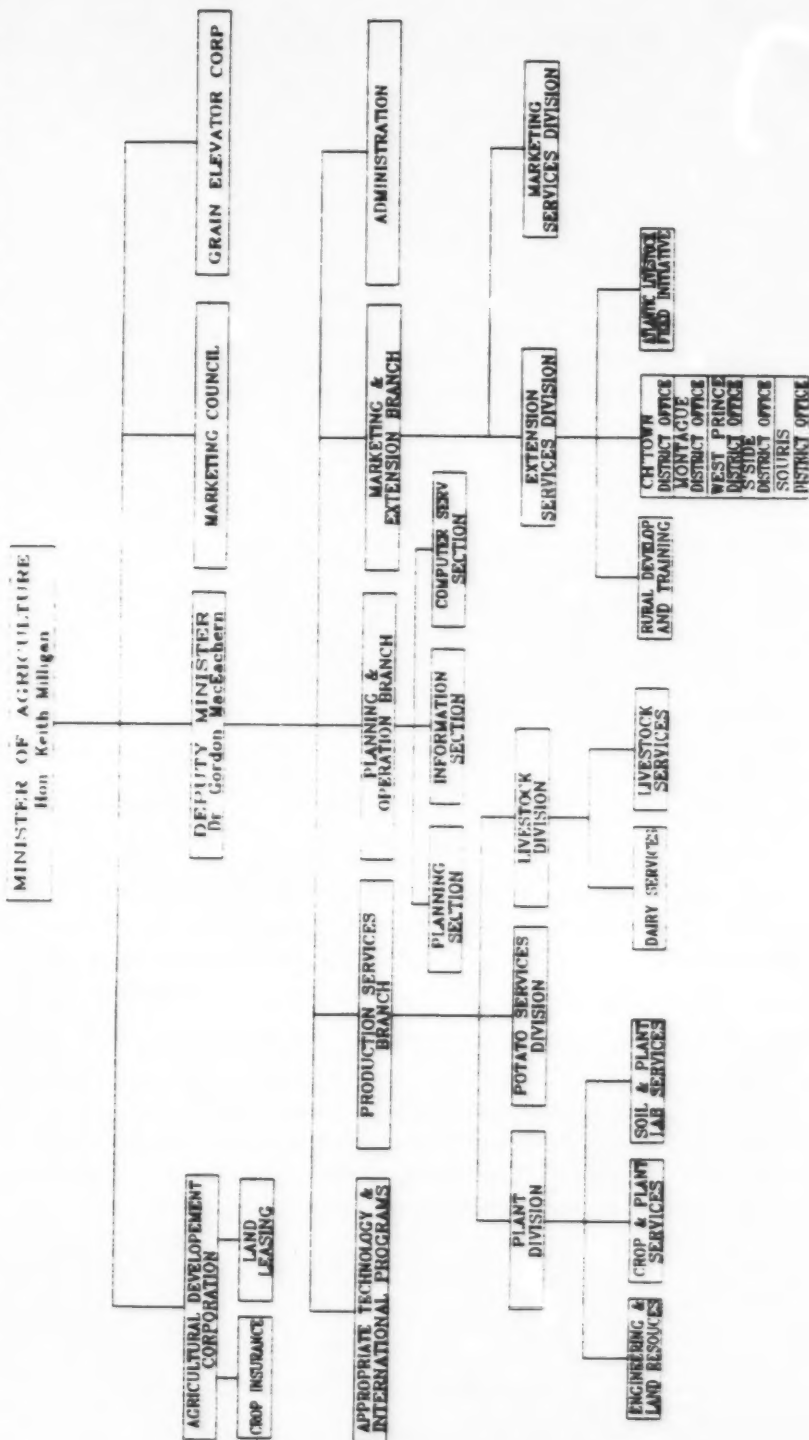
A handwritten signature in dark ink, reading "Gordon A. MacEachern".

Dr. Gordon A. MacEachern  
Deputy Minister

# Prince Edward Island DEPARTMENT of AGRICULTURE



P.E.I.  
Agriculture



## Introduction

To promote the sustainable growth and development of the Prince Edward Island agriculture and food industry, the Department of Agriculture identified and is working towards a range of strategic objectives. These include:

- a global market orientation;
- food quality and safety;
- competitiveness;
- education and training;
- financial stability;
- environmental sustainability; and
- industry co-ordination.

These strategic objectives are being constantly reviewed to both anticipate and reflect changes occurring in the marketplace and to more effectively respond to them.



The tumblewheel helps livestock producers to improve management of their pastures.

## Quality Improvement

The Department of Agriculture provides a broad range of technical information and advisory services to the agriculture community. Combined with legislation and financial support, these are aimed at quality improvements, more efficient and expanded production and greater diversification. Taken together, they contribute to development of the agri-food industry based on sound economic management.

### Crops

- During the 1990-91 fiscal year, the Department delivered a number of programs and activities. There were significant achievements in the cereals, forages and protein crops through activities funded by the Atlantic Livestock Feed Initiative Program. The increasing importance of protein crop production for protein supplements on livestock farms occupied much staff time. Pasture management had a high profile with two hundred farmers participating in the Improved Pasture Management project with the assistance of forage personnel.
- The Cereal Advisory Program sponsored by the Prince Edward Island Soil and Crop Improvement Association successfully completed its fourth year of operation providing a province-wide service to grain and soybean growers wishing to improve their management of these crops. Plot trials and demonstrations of cereal, forage and soybean varieties and management techniques were carried out at several sites across the province.
- Horticulture staff continued their support for fruit, vegetable and honey production by providing financial and extension support in a number of areas. Strawberry growers participated in a crop scouting program and financial and technical support was provided for a vegetable scouting service run by the Prince Edward Island Horticultural Association. Dry bean production continued and on-farm trials in techniques of dry bean production were carried out to answer some of the questions posed by growers of this relatively new crop to Prince Edward Island. Financial support for bee inspection was again provided by the Crops Section.
- Activities were maintained in tobacco extension by providing on-farm advice to growers and through financial support for the Maritime Regional Tobacco Research Program. A co-operative trial with the Delhi Research Station was carried out to evaluate controls for the disease Sclerotinia.
- All staff worked closely with producer organizations in all crop commodities to assist their members in organizing workshops, tours and special events. These included summer tours of cereal, forage and soybean sites sponsored by the Soil and Crop Improvement Association, a lupin field day and a tour of dry bean



production sites. Staff acted as resource persons at many of the district training events throughout the year.

- Calls from home gardeners were handled by a casual staff person during the growing season. Over 500 inquiries were handled.

### Plant Health Services

The overall goal of these services is to provide producers with the necessary resources to improve productivity and maintain quality, thus enhancing the marketability of various crop commodities. Services include diagnosis of plant disease, causes, control and preventative measures.

- In 1991, the Department assumed responsibility for administering the Plant Health Act. The Plant Health Act replaced the Plant Disease Eradication Act and is intended to provide legislative authority for controlling and eradicating regulated diseases.
- In 1991 some new equipment was purchased to enable the lab to use the ELISA (Enzyme Linked Immunogortant Assay) technique. This advanced laboratory assay will allow the lab to identify specific fungal, bacterial and viral pathogens. For example, in the spring/summer of 1991 a number of plant samples, primarily potatoes, were screened for the presence of PVY<sup>1</sup>.
- The Potato Integrated Pest Management program combines information from the Aphid Alert Program, Blight Forecast Program, and Potato Crop Scouting into a service which helps potato farmers correctly identify pest problems to make informed pest management decisions.
- During the 1991 potato crop season, the crop scouting portion of the program was contracted out to a private firm.
- A nematode identification service is also an integral portion of the Potato Integrated Pest Management Program and Plant Health services.
- The Department undertook a major role in the PVY<sup>1</sup> eradication plan in 1991. This included tuber collection, sampling, collection of leaf material and the composting of 17,000 tons of potatoes which were positive and suspect to the virus.  
Inspection service to enforce the ban on growing potatoes in home gardens and to small plots not entered for seed inspection were also provided.

### Soil, Feed and Plant Tissue Testing Services

- Producers throughout the province are provided with soil testing services, custom fertility recommendations, plant tissue testing and feed analysis.
- During the 1991 season the lab was ranked in the top 15% of the AAFCO feed analysis quality check program (laboratories across North America are enlisted in the program).

- A new analytical procedure, "Buffer pH", was introduced and will enable an improved liming recommendation.
- Demand for the plant tissue testing program increased 100%.



The Department of Agriculture's testing labs were among the top 15 percent in North America in 1991. Here, Mary Anne Gillis measures protein content in feeds with a carbon-hydrogen-nitrogen determinator.

### Farm Buildings

- The Farm Buildings Program provides a customized planning and design service for all types of farm structures as well as general information on farm building systems and environmental aspects of livestock manure management. During 1991 the major attention was directed to the potato industry and the swine industry. Design was provided for several large potato storages grading rooms and upgraded ventilation systems in existing storages. Planning and design was also done for several swine buildings. Farm building and other

engineering services were provided to producers of all other major commodities.

### **Farm Machinery**

- Information on all facets of the operation, purchase and management of machinery is constantly being acquired and distributed to producers. A computerized machinery costing service is also available.
- A major effort was directed to bruise reduction in potatoes. Activities included the set up and adjustment of potato seed cutters, planters, harvesting and handling equipment. The results of the potato harvester bed speed ratio project were again validated using the results obtained in 1989.

### **Livestock and Dairy Services**

The Department supports the continued development and expansion of the livestock industry through the extension of information, the services of production specialists, diagnostic and other laboratory services and the enforcement of legislation.

#### **Production Testing Services**

The Division offers or supports livestock production testing services to suit the different species and operations.

##### **a) Dairy**

- Milk Recording - Official Test 158 farms
- Owner Sample 75 farms

##### **b) Beef**

- Record of Performance Program 120 farms
- Weaning Weight Program 303 farms

##### **c) Swine**

- Record of Performance Program 16 farms
- Swine Productivity Program 28 farms

##### **d) Sheep**

- Record of Performance Program 27 farms

### **Product Quality Control Services**

##### **a) Dairy Industry Act Implementation**

- Milk composition testing  
Butterfat Tests - 110,039 samples  
Protein Analysis- 76,540 samples
- Bacterial examination of raw and processed milk (27,762 producer samples)
- Somatic cell counts on raw milk (85,020 samples)

- Adulteration and inhibitor examination (10,065 adulteration samples: 13,240 inhibitor samples)

- Farm premises inspections (607 producer inspections and a total of 1,746 farm and follow up calls)

- Plant licensing and inspection (11 Milk processing plants)

##### **b) Poultry Products Act in cooperation with Agriculture Canada and community hygiene**

- Inspection of 10 egg grading stations
- Inspection of 2 poultry processing plants

##### **c) Provincial Meat Inspection Program**

- Pay for veterinary inspection of beef, swine and lamb carcasses at 14 local abattoirs

- As well, a specialized service is offered to dairy producers to analyze milking equipment and procedure analysis on farms. Data is also supplied to the Animal Productivity and Health Information Network at the Atlantic Veterinary College to introduce benefits of this program to livestock producers.

- A number of programs are aimed at encouraging producers to use genetically superior breeding stock. Support is provided to 17 local breed associations.

### **Animal Health**

- Diagnostic services to livestock producers are provided under a contract with the Atlantic Veterinary College. The veterinary services program was changed in September to enable any licensed veterinarian to deliver services, and a single cost-sharing rate was established regardless of the service provided.

- The Animal Protection Regulations were drafted for the protection of domestic animals from situations of neglect and cruelty. The Provincial Veterinarian can exercise the powers of a peace officer to enforce these regulations.

### **Productivity Improvement**

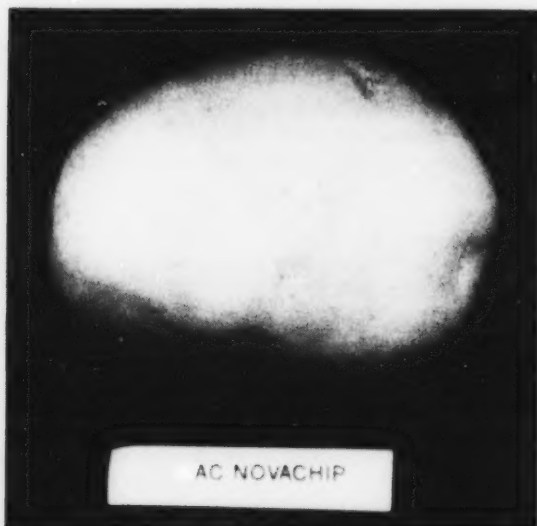
- The Department undertook a number of initiatives to demonstrate new production methods and technologies. Through the Atlantic Livestock Feed Initiative and the Cooperation Agreement on Agriculture, a range of projects were conducted. These included the following:

- Protein sources for beef feeder cattle
- Two-row or six-row barley for swine
- Potato waste in hog rations
- Broiler litter as feed project
- Steel handling facilities



## P.E.I. Agriculture

- Beef feedlot computerized management information project
- Sheep handling facilities
- Dairy beef study tour to the U.S.
- The Lean Beef Program provides incentives for producers to implement improved management practices.
- A Beef Backgrounder Program was implemented this year in order to encourage cow-calf producers to keep their calves for all or part of the winter and prepare them for entry in local feedlots.



Variety trials are continually being conducted by the Department of Agriculture on promising new potato varieties such as Novachips.

### ProPork

- A major new program was implemented for the hog industry. ProPork is aimed at improving the profitability of pork producers and developing the industry on a sound commercial basis through management, production, and financial assistance, and improving the market quality of hogs through index and weight targets.
- More than 100 producers are receiving quarterly financial and production analyses. The average hog index increased over the year to 104, from the previous three-year average of 101. As well, 92 percent of all hogs now marketed are within the 75 - 95 kilogram weight target.



Ruth Howatt received a ProPork award from Premier Joe Ghiz for most pigs weaned per sow for producers with 60 or more sows. The Howatt operation weaned 24.1 pigs per sow in 1991.

### Atlantic Livestock Feed Initiative

- The aim of the ALFI program is to increase the quantity, quality and utilization of livestock and poultry feed produced in the province. Assistance for projects in the areas of intensive pasture management, lupin harvesting and storing, cereal management, soybean production and alfalfa production, as well as for human resource development and technology evaluation, was approved up until the ALFI Agreement's termination date of March 31, 1991. No new projects were accepted after date.
- Agreement was reached during the year on an extension to the program.

## Market Responsiveness

The ever-changing marketplace challenges Prince Edward Island producers and processors to effectively respond to the constantly increasing consumer demands for safe, high quality food and food products. The Department of Agriculture assisted the industry in the investigation of new market opportunities and in the expansion and improvement of existing markets.

### Market Analysis

- Research was undertaken into the feasibility of several potential food processing opportunities. Individuals were assisted with information to assess the viability of proposed food processing ventures.
- A study was contracted in 90-91 to determine the market potential for a Prince Edward Island boxed fresh potato product in Southern Ontario and Northeastern U.S. The project was cost-shared under the Cooperation Agreement, with costs to the Department amounting to approximately \$3300.
- A contracted study is in progress to investigate whether there could be a market advantage in the development of a premium grade for Prince Edward Island tablestock potatoes. The study is cost-shared under the Cooperation Agreement with an estimated cost to the Department of about \$8300.
- A study was contracted to evaluate the costs associated with the establishment of a freezing facility for small fruit in Prince Edward Island. Cost to the Department was \$2,600.



Agriculture Minister Keith Milligan signed a protocol establishing opportunities for trade links and joint venture projects with the Hungarian ambassador to Canada, Kalman Kulcsar. Prince Edward Island potatoes were shipped to Hungary for the first time in 1991 as part of the Department's efforts to expand markets for potatoes and related technology.

### Market development and promotion

- The Department assisted the Potato Board in establishing trade representatives in the Toronto, Montreal and New England markets. The representatives provide direct feedback to the Board on market conditions, needs, quality issues and the implementation of market promotions.
- The Department also assisted the Potato Board in retail promotions, trade shows and point of sale material. Radio promotions were also conducted in Ontario, Quebec, the Atlantic provinces and Boston.
- A video production, "Canada #1 - Prince Edward Island Potatoes", was completed to promote the province's potato industry in domestic and international markets.
- The Department provided advice and financial support to the Prince Edward Island Cattlemen's Association to carry out a retail beef promotion. This resulted in increased sales in Island retail outlets. Assistance was also provided to develop markets for purebred livestock and beef products, including the Shorthorn Futurity and exploration travel.
- The Department cost-shared a pork promotion program in cooperation with the Hog Commodity Marketing Board and Garden Province Meats.
- The promotion committee of the Lamb Cooperative received cost-shared assistance for advertising and to host a potential buyer of fresh lamb from the Montreal market.
- The Egg Commodity Marketing Board received financial assistance to implement a national promotion campaign within Prince Edward Island.
- The horse industry is supported in promoting breeding stock and standardbred colts. The Draft Horse Association and the Colt Stakes Association received financial assistance in their promotions.
- The services of a part-time nutritionist are provided to the Milk Marketing Board to plan and execute a communications program to improve market prospects for milk and milk products. The Department also provides a staff member to administer the School Milk Program. The School Milk Foundation operates the school milk program in 97 percent of eligible schools.
- The Department assisted the Abegweit Organic Cooperative in planning and developing a booth for the 1991 HOSTEX Show in Toronto, with resulting sales of some Island organic products.
- Through participation in the Atlantic Fresh Produce Association, support was provided to promotion campaigns involving vegetables, strawberries, blueberries, cole crops, beans and U-pick operations. Support and financial assistance is also provided to the Charlottetown and Kensington farmers' markets.



- The Island Hay and Straw Cooperative is supported in market investigation, research and promotion. Market development in 1991 focused on Newfoundland, Bermuda, Puerto Rico, Japan and Great Britain.
- The Department works closely with the Grain Elevators Corporations in planning for alternate and additional services for cereals, grains and oilseeds.

### Fairs and Exhibitions

The Department provides staff support to the Prince Edward Island Association of Exhibitions and the individual fair committees to plan and deliver events that will profile Island agriculture and Island culture and to assist the fairs/exhibitions to adjust to the changing marketplace. Through effective marketing and educational events about the agri-food business, exhibitions become a tool to increase public awareness of the industry while at the same time providing a marketing opportunity for Island producers. Financial support to the Association for various projects totalled more than \$4500.

### International Market Development

- During the last year, good industry relationships (formal and informal) have been established in Poland, Hungary, Czechoslovakia, Romania, Yugoslavia, Bulgaria, Cuba, Mexico, Argentina, Uruguay, Algeria and Jordan. Contacts have been made with a number of other countries and plans are under way to establish relationships with Russia, the Baltics and other Republics and Syria.
- A large number of incoming and outgoing trade missions took place, involving countries in Eastern Europe, the Middle East, the Caribbean and North Africa.
- The Department is carrying out a project with External Affairs in Czechoslovakia to train staff at the Potato Research Station in Slovakia in seed potato management, virus control and extension services.
- Agreements have been signed with Romania to train Romanian staff in potato productivity enhancement, to improve potato quality and virus control and to develop a small-scale potato chip line.
- A program of training has been developed for Poland and Algeria to provide training in potato industry management for farm leaders and extension staff. Agreements are also in place and others pending to provide technical assistance in potato production for a number of these new markets.
- New exports of table and seed potatoes have resulted during this past year to Argentina, Algeria, Czechoslovakia, Poland, Hungary, Yugoslavia, Jordan and expectations are for future sales to Romania, Bulgaria, Cuba, Russia and the Baltics. A sale of 1 million tonnes of potatoes to Algeria was the largest ever to a single nation by Prince Edward Island.

## Environmental Sustainability

Efforts continued during 1991 to protect, preserve and enhance the province's agricultural and environmental resources, to contribute to sustainable growth and development and to reduce input costs while increasing productive capacity.

- Provincial and Federal staff cooperated in the direction and implementation of the National Soil Conservation Program during 1991. Fifteen regular meetings of the NSCP Implementation Committee were held to approve projects and direct the program. The objective of the NSCP on-farm demonstration program is to create an awareness of measures which can be used to reduce or eliminate erosion due to farming practices. In 1991 approximately 2200 hectares of land on 77 farms were improved by demonstrating an integrated approach to soil conservation. Projects included mulching, cover cropping, grassed waterways, diversion terraces and strip cropping. Other projects included chisel plow demonstrations and alternate livestock watering to eliminate cattle access to streams. An applied research project to monitor erosion and fertility losses is being administered by the Department.



**Chisel plowing is a practical, cost-effective solution to some erosion problems.**

- The Pesticides Advisory Committee met seven times during 1991. One public meeting was held and five briefs were received. The committee recommended two amendments to the Regulations of the Pesticides Control Act. An amendment regulating lawn spray applications was recommended and implemented in 1991. A certification process for farmers and farm workers who purchase and apply pesticides was recommended to the Minister for future implementation. More than 650 producers have completed the pesticide education course offered by the Department.

- A publication featuring a comprehensive "Inventory of Waste Products for the Farm" was prepared and distributed.
- Support is provided to landowners, contractors and others to improve land utilization and capability. With assistance through the Land Drainage program of the Canada-PEI Cooperation Agreement on Agriculture, \$500,000. (\$230,000 assistance) was spent on 73 projects resulting in direct and indirect improvements to more than 5000 acres of land.
- Under the Canada-Prince Edward Island Cooperation Agreement, the Manure Management Program provides advice and financial assistance to livestock producers to demonstrate improved facilities and to minimize environmental effects. In 1991, 10 producers were assisted at a cost of \$180,000. The grants represented 50 percent of the total investment.
- The Souris Soil & Crop Improvement Association, with staff assistance is sponsoring a Dammer Diker project under the Soil and Water Conservation Program. This project evaluates and demonstrates a machine designed to leave numerous small holes in a cultivated field to hold rain and run-off, thus reducing erosion.
- A Manure Management Information Session for hog producers was organized and held in the Montague District.



The safe handling and use of pesticides is a constant aim of producers and new technologies, such as a chemical injection sprayer which features separate water and chemical lines are being evaluated.

## Extension

The Department provides a broad range of extension services to all sectors of the industry on the latest programs, services, practices and technologies. Up-to-date information on production, marketing and farm management are offered by extension staff and specialists to producers of all commodities. As well, the Department is working with industry groups to identify and develop opportunities for diversification and value-added products.

### Farm Management

- The implementation of two new federal-provincial programs, the Gross Revenue Insurance Program (GRIP) and the Net Income Stabilization Account (NISA) program involved extension staff in providing information, analysis and counselling to producers. As well, the introduction of the Good and Services Tax involved staff in responding to inquiries, assisting producers to modify their farm record-keeping and serving as a liaison with Revenue Canada. Information sessions on each of these were held in all of the District Agricultural Offices.
- District staff do much of their extension work on a one-to-one basis with farmers in areas of financial management, marketing issues, livestock and crop production, soil conservation practices, whole farm planning, farm buildings, safety, starting farming, alternate enterprises and a wide range of other day-to-day matters.
- District offices have responsibility in 20 management agreements with the Agricultural Development Corporation. These involve intensive analysis with producers on production, financial and marketing matters.
- The 1991/92 Prince Edward Island Farm Management Initiative was undertaken by the Agri-Food Branch of Agriculture Canada and the Department of Agriculture to upgrade the farm management skills of farm families. The objective is an enhanced ability on the part of farmers to compete more effectively in domestic and international markets and to improve their financial viability. Administered by the Prince Edward Island Women in Support of Agriculture, the initiative has resulted in training in various parts of the province on the use of computers in the farm business, tax and estate planning, and retirement planning.

### Production

District staff were involved in the organization and carrying out of many information sessions and courses. Some examples were:

- a session on raising dairy calves on whole corn or barley based rations for speciality veal markets.
- a presentation to beef producers on consumer trends and demands.



- a tour of swine producers to the International Pork Congress in Stratford, Ontario
- a tour of swine farms in the area which use innovative production or management practices.
- a pasture management twilight meeting was held
- an information session with blueberry producers to discuss strategies for expansion.
- District staff also work extensively with Department programs such as ALFI (Atlantic Livestock Feed Initiative). The Federal/Provincial Cooperation Agreement includes a number of programs which farmers can use to carry out projects which will aid them in improving production, management or marketing on their farms.
- District staff advise farmers on the type of assistance available under these programs and the steps needed to access the programs.
- District staff also serve as a valuable source of information to farmers on the objectives and requirements of a variety of other federal and federal/provincial programs. District office staff also work closely with a number of other farm and rural organizations to carry out extension education programs.
- District branches of the Soil and Crop Association held field crop trials, tours, demonstrations, and other activities to promote improved crop management practices.
- Support is also provided to local Women's Institute branches and local branches of the Women in Support of Agriculture and various livestock breed or production associations.

#### **Value-Added**

- Entrepreneurial development of food-based industries continued to be promoted. In co-operation with a local Community Futures Group, a three week Entrepreneurial Development Course was held in which twelve entrepreneurs participated. Follow-up was done with a number of participants to provide information and guidance in establishing a business.
- The Entrepreneur Program created awareness of the opportunities for developing Agri-Food businesses through various means - e.g. presentations to groups, media articles, seminars and workshops, and displays at agricultural fairs and industry shows.
- Extension staff worked with producers to identify new markets, products, packaging and promotion and conducted research on product development.
- A Packaging For Profit Seminar was held for Souris area potato growers to review consumer preferences, packaging materials and design to improve sales.

#### **Public Information**

The Department provides timely, up-to-date information on the agriculture and food industry to producers, industry groups and the general public. It also seeks to ensure that the industry and the public are provided with accurate information on current and emerging issues.

- Major information efforts in 1991 were directed in support of the PVY<sup>n</sup> eradication plan. This included dissemination of statements by the Minister of Agriculture and other industry spokesmen; preparation and distribution of regular PVY<sup>n</sup> updates to governments and industry groups throughout North America; responses to media inquiries; an information campaign directed to home gardeners; support to the Potato Board for the completion of a video on the eradication program; and a wide range of other information activities.
- Specific information initiatives were undertaken in support of new programs such as ProPork, the Gross Revenue Insurance Program and the Net Income Stabilization Account program.
- Regular information activities included the monthly publication of "CornerPost", various departmental newsletters, daily radio programs and advertising. These are in addition to other activities such as press releases, publications, distribution of market reports, fact sheets and responding to inquiries from the industry and the public.
- The Department, together with Agriculture Canada, co-ordinated the preparation and distribution of information under the Cooperation Agreement and the Soil and Water Conservation Agreement. These included newsletters, brochures, articles, displays and videos.
- Market information is compiled daily for release through: three radio stations, a daily code-a-phone service, and a weekly market summary with a distribution list of approximately 250. The summary is printed in the newspaper on a weekly basis.

## Education and Training

Education and training activities designed to provide Island farmers with opportunities to acquire new skills are delivered in several ways.

### Training Section

- The Training Section is responsible for co-ordinating the delivery of learning opportunities to clients of the Department of Agriculture. Included in this function are supplying the five District Offices and the Resource Centre in the Charlottetown Farm Centre with learning materials and video tapes and equipment, the administration of a number of training policies, and the funding and co-ordination of such training events as seminars, conferences, tours, workshops, demonstrations, etc.

### Technical Student Assistance Programs

- This program is designed to encourage and assist Islanders obtain vocational and technical training in agriculture thereby ensuring a continuing supply of trained people for the agricultural industry. Under this program, the Nova Scotia Agricultural College receives reimbursement for the costs of providing technical training to Island students. Those students who attended institutions other than N.S.A.C. will receive reimbursement of tuition plus some expenses per academic year.
- Islanders may also be assisted through the program in taking correspondence courses in agriculture and/or horticulture from recognized post-secondary institutions.

|                        | 1991 | 1990 |
|------------------------|------|------|
| NSAC students          | 20   | 19   |
| Correspondence Courses | 5    | 17   |

### Farm Organization Assistance Program

- The P.E.I. Federation of Agriculture, the National Farmers Union, Women in Support of Agriculture, and the Provincial Farm Safety Program received funding for research and education projects carried out in 1991.

### Federal/Provincial Agricultural Employment Committee

- The Agricultural Employment Committee is funded jointly through an agreement between the Government of Canada (Employment & Immigration Canada) and the Province of Prince Edward Island (PEIDA).

In March 1991 a project was undertaken under this agreement to develop Agricultural Education Information Kits to inform the Guidance Counsellors at the Junior and Senior High School level of the enrollment requirements for students interested in applying to Agricultural Degree or Diploma courses at Canadian universities or colleges.

In December another project was undertaken to complete a summary of all Agricultural training programs completed in the province - full time, part time, seminars, clinics, including sponsorship and participation levels in the past year and continued on a regular annual basis with curriculum review and recommendations, plus the identification of training needs not yet addressed.

### Resource Center

- The Farm Centre Resource Centre continued to be used extensively. Videos, slide sets, equipment and books were loaned each day to home economics and agricultural teachers, to Departmental staff, farm organizations, agribusinesses, and individuals. The Farm Safety Co-ordinator used the slide sets and videos for the multitude of farm safety events.

This section continues to be responsible for the ordering of books, audio-visual materials and periodicals for the five District Offices.

### Training Programs

- The Training Section funded the costs of out-of-province resource people for various information days and conferences. The Training Section also funded part of the cost of sending farmers to various out of province conferences and tours in 1991. These persons were funded for educational purposes—either as individual training or for information to be brought back to the industry.
- A number of commodity specific district courses and tours within the province were held for farmers, organized by District Staff and others, and financed through the Training Section.

### Women's Institute

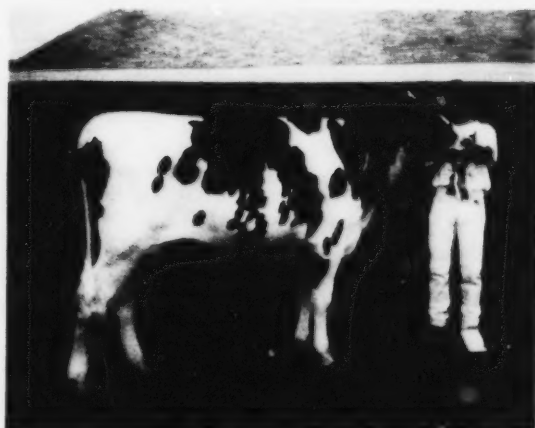
- During the year the Department assisted the programs of the Prince Edward Island Women's Institutes through staff and financial support provided to the provincial Board of Directors. There are a total of 174 branches with a membership of approximately 2400. The Women's Institute organization and its programs are coordinated by a board of 18 elected volunteer representatives.
- Agricultural awareness activities included development of a "From Farm to Table" activity book (in both French and English) distributed to grade three classes.
- In April a series of food promotions were held in 12 locations across the province with a total attendance of 275 people. The sessions promoted the use of Island agricultural products, and attempted to improve the public's understanding of the Island's agri-food industry among Islanders.
- The Handicrafts and Arts Sections of the Provincial Exhibition incorporated activities, displays and compe-



titions that contribute to increased awareness and understanding of the Island agricultural industry and culture. The competitions attracted over 1300 entries which were judged and displayed during the Provincial Exhibition.

#### 4-H

- The 4-H program is delivered at the District level by the District Office staff in cooperation with Leaders' Councils and Club Leaders.
- The Provincial 4-H section serves as a resource to district staff and in cooperation with the Provincial Leaders' Council delivers programs at the provincial level.
- In total, the 4-H movement involves over a 1000 members and 350 volunteer leaders throughout the province.
- A list of 1991 award winners is included in the Appendix.



Wheatley River 4-H member James MacPherson won first place at the club's achievement day with his Holstein heifer, Extendale Intelligent. The heifer also won Grand Champion heifer and Champion Holstein at the Rural Youth Fair and was the Grand Champion dairy heifer in the Scotiabank Hayes Classic at the Royal Winter Fair.

## Financial Stability

Through improved farm management, production efficiencies and innovation in practices, producers are being assisted in becoming more self-reliant. A number of initiatives were undertaken in 1991 to protect producers against low returns and unstable farm income.

- The introduction of two new safety net programs, the Gross Revenue Insurance Plan (GRIP), which provides both price and production protection, and the Net Income Stabilization Account (NISA), which allows producers to put funds away in good years to draw upon when times are bad, were introduced in co-operation with Agriculture Canada in 1991. Special incentives were made available to producers who joined both programs.
- The Department, on behalf of the potato industry, negotiated a compensation package for potato producers affected because of PVY<sup>n</sup>. This package made available more than \$10 million in 1991.
- The Farm Separated Cream Assistance Program contributes 19 cents per kilogram of butterfat to offset part of the transportation cost of farm separated cream to 105 producers.
- A Rancher Fur Advance Payment Program advances funds on current production and pays the interest on the advanced fund. There were 41 ranches in the program. Other programs for the fur industry were the Nucleus Herd Maintenance Program involving 70 ranchers and the Fur Industry Support program serving 171 ranchers.
- The ProPork program, which offers producers a range of management, production and financial support, was introduced in 1991 and made available to all hog producers in the province. More than 100 producers enrolled in 1991.
- Under the Canada-Prince Edward Island Co-operation Agreement, the two levels of government combined to co-operate in the management, delivery and evaluation of the program. A table listing projects approved in 1991 by program and value follows:

#### COOPERATION AGREEMENT

January 1, 1991 - December 31, 1991

| No. of Projects Approved          | Value (\$'000) |
|-----------------------------------|----------------|
| Market Investigation & Evaluation | 15 205.1       |
| Market Quality Improvement        | 11 355.6       |
| Market Development                | 26 560.7       |
| Human Resource Development        | 19 214.0       |
|                                   | 19 214.0       |
| Crop Development                  | 8 1,408.4      |
| Livestock Development             | 2 271.3        |
| Environment Impact                | 8 561.6        |

|                                     |            |                |
|-------------------------------------|------------|----------------|
| Sustainable Agriculture Development | 18         | 2,241.3        |
| Technology Innovation Program       | 68         | 607.0          |
| Drainage                            | 75         | 232.8          |
| Manure Management                   | 13         | 136.1          |
| <b>Total</b>                        | <b>219</b> | <b>3,991.9</b> |

- As a signatory to the National Tripartite Stabilization Program for beef and lamb the Department provided provincial administration of the program. This involved liaison between producers and the Agriculture Stabilization Board; responding to producer and Board inquiries; and verification of enrollments and payments by the province.
- The Department also provides an advisory role to the Hog Commodity Marketing Board to administer the National Tripartite Stabilization Program for hogs.
- During the past year, the Horticultural Council was provided assistance in determining the areas of income shortfall among their commodities; identifying areas of concern regarding safety nets in horticulture; and providing information on safety net programs.
- The Department also worked with the Bean Growers' Cooperative on marketing issues. At present, information and assistance focuses on the planning for the entry of white and colored edible beans into a National Tripartite Stabilization Program.

At present no stabilization program is available, but the necessary data has been compiled, and required submissions prepared for the Agricultural Stabilization Board, Cabinet, and Treasury Board. Such a program would provide the safety net that a young industry such as this needs to become established and able to meet its potential.

- Staff act as resource to the Island representatives on the Atlantic Grains Council and participate in the meetings. The Council provides a regional lobby on issues relating to grain development and has been active on national Task Forces. In 1991, the region co-operated on planning for the payment of special grain assistance.
- In consultation with the Prince Edward Island Grain Elevators Corporation, assistance was given in the design of marketing pools for soybeans and sweet white lupins.

## Planning and Policy Development

A number of new initiatives were undertaken in 1991 by the Department to support and advance its strategic objectives and to promote the growth and development of the industry.

- A regional committee chaired by a representative of the New Brunswick Department of Agriculture was established in March, 1991. The committee prepared a report on behalf of the Maritime Ministers of Agriculture for presentation at the Maritime Forum in Moncton on June 17-18.

Two major recommendations have been approved by the Ministers. First - The establishment of "Maritime Provinces Agricultural Policy Coordinating Committee to identify, assess, prioritize and develop alternative courses of action for policy issues affecting Maritime agriculture, leading to improved coordination of government involvement in the sector."

Second - "Provide leadership to initiate a strategic planning process for Maritime agriculture commencing in late 1991." The focus of the planning efforts is to be the competitiveness of agriculture in the Maritime Provinces.

Other recommendations complement those listed above and include reaffirming the "commitment to eliminate or reduce interprovincial barriers to trade and assign high priority to coordinating these efforts on a regional basis to achieve this objective."

- In 1991 a Memorandum of Understanding was signed with Agriculture Canada regarding the operation of the Eastern Canada Soil Conservation Centre in Grand Falls, New Brunswick. The Center will provide information on soil conservation research and technologies to extension and conservation staff in the four Atlantic Provinces. The Center has been endowed by Agriculture Canada and is managed by the University of Moncton, Edmundston Campus. Staff will be in place by early 1992. Prince Edward Island will be a member of the Board of Directors for this Center and support is being given to the manager to consult with Island farmers on the ways in which the Center can support conservation efforts in Prince Edward Island.
- The Canada-Prince Edward Island Accord on Environmental Sustainability was signed in November, 1991 to (1) strengthen federal-provincial-industry cooperation and coordination to integrate long-term soil, water and environmental management practices at the farm and agri-food business level; (2) promote environmental sustainability in the agri-food sector through long-term, direct action programming; and (3) facilitate the environmental sustainability of the agri-food sector through policies and programs that are environmentally positive or neutral. The Accord establishes a Management Committee and an Advisory Committee to manage and



advise on all federal-provincial programs which relate to environmental sustainability issues. These programs include:

- 1) The National Soil Conservation Program (NSCP)
  - 2) The Environmental Sustainability Initiative (ESI)
  - 3) The Land Management Assistance Program (LMAP)
  - 4) The Green Plan.
- Under the Environmental Sustainability Initiative, a total of \$600,000 was committed on an equal basis. The Agreement on Environmental Sustainability has as its objective – "To facilitate the development and adoption of agricultural waste management practices to minimize the agri-food sector's contribution to air, soil and water degradation/pollution." The Federal Programs include Demonstration, Technology Development and Evaluation, and Education and Awareness relating to Agricultural Waste Management. The matching provincial contribution consists of programs funding potato composting and the Soil Analysis and Testing Programs. Projects under the Agreement must be completed by March 31, 1992.



Members of the Board of Directors of the Prince Edward Island Cattlemen's Association were one of many groups to meet with Agriculture Minister Keith Milligan in 1991. Seated from l-r, are Peter Elsinga, Jr.; Mr. Milligan, and Alex Dixon. Standing are Donald MacQuarrie; Ernest Mutch; Jennifer Doyle, Secretary-Manager; and Barry Gallant.

- The Land Management and Assistance Program Agreement was signed in late fall between Agriculture Canada and the Prince Edward Island Soil and Crop Improvement Association. The program will demonstrate on-farm soil and water conservation practices.
- Departmental staff participated in the preparations of recommendations on Policy and Planning for the Management of Government Initiative.
- The Departmental Computer Plan, which outlined all forecasted computer application developments and acquisitions from April 1, 1991 to March 31, 1992 was

approved by the Provincial Computer Priorities Committee. In 1991 phase two of the Department's networking project was completed and phase three was partially completed.

- Departmental staff provided major support to the Agricultural Development Corporation during the planning and implementation of the GRIP program. As well, Prince Edward Island's participation in the NISA program was approved by Executive Council in May. Staff also assisted in the development of this new safety nets program and are members of the Advisory Committee which was established in October, 1991.
- As part of the Rural Development Strategy for Prince Edward Island, Government established Regional Rural Development Co-ordinating Teams. A staff member of the District Office serves on each of these teams along with representatives of other government departments. The Teams have been designed to assist communities in rural development projects. As such, they act as a source of information co-ordination between Departments and guidance to community groups.
- One hundred and fifty people attended the two-day Agriculture Outlook Conference held in February, 1991. The first day of the conference program provided the agriculture community with an overview of the economic situation and prospects facing farmers in the year ahead; the second day's program focused on emerging business opportunities in the agricultural sector.
- The annual strategic overview was updated and prepared in the spring of 1991 for consideration of Planning Board and Executive Council.
- Staff served as the provincial contact for the Red Meats Net Benefits Study. This involved compiling information on provincial government program expenditures and submitting to Agriculture Canada on request. This information is used to provide estimates for program operational levels for future years.
- The Department provided research and assistance in drafting responses to industry marketing issues such as the countervail duty and net benefits, and providing liaison with groups such as Canadian Pork Council, Canada Pork International and External Affairs.
- Replying to requests for statistical information from staff and clients, and maintenance of the data base by updating with new information were on-going activities. Projects such as the assessment of financial hurt to sectors were calculated. The Department participated actively in the preparation of the Canadian Agricultural Outlook, prepared in cooperation with Agriculture Canada and Statistics Canada. The forecast is prepared and issued quarterly, and requires on-going consultation among the three agencies. The Department was represented at the annual Federal-Provincial meeting on Agricultural Statistics. The 24th edition of the annual statistical publication, Prince Edward Island Agricultural Statistics was compiled and released.

## Administration

The Administration Section provides financial, personnel and administrative services to the Department. The Department consists of 127 full-time positions and 15 part-time positions. During 1991, the Section appointed 153 individuals to casual positions. This is broken down by category as follows:

|            |      |
|------------|------|
| Casuals    | - 84 |
| Relief     | - 21 |
| Students   | - 26 |
| CSC Appt.  | - 16 |
| Contracts  | - 5  |
| Temp. Ass. | - 1  |

### Natural Products Appeals Tribunal

During 1991, the Appeals Tribunal received five notices of appeal. Four appeals were in dairy and the other was in the potted plant commodity. All appeals were heard and decisions rendered. The present appointments of the Natural Products Appeals Tribunal expires December 1991. The Appeals Tribunal is comprised of:

Wayne Beaton, Chairperson;  
Isobel Campbell, Member;  
Danny Walker, Member.



P.E.I.  
Agriculture

## Department of Agriculture Financial Statement Year Ending March 31, 1991

|                                                            | Expenditure          | Revenue             |
|------------------------------------------------------------|----------------------|---------------------|
| <b>Administration</b>                                      | 616,321.07           |                     |
| <b>Planning and Operations</b>                             |                      |                     |
| Branch Management                                          | 96,722.69            |                     |
| Planning                                                   | 327,621.74           |                     |
| Information                                                | 151,214.79           |                     |
| Computer Services                                          | 201,723.59           |                     |
|                                                            | <b>777,282.81</b>    |                     |
| <b>Production Services</b>                                 |                      |                     |
| Branch Management                                          | 853,983.21           |                     |
| Soil & Plant Lab Services                                  | 1,250,208.57         |                     |
| Crops and Plant                                            | 497,748.92           |                     |
| Engineering and Land Resources                             | 771,416.67           |                     |
| Dairy Services                                             | 1,178,701.42         |                     |
| Livestock Services                                         | 4,372,204.44         |                     |
| Community Pastures                                         | 59,320.74            |                     |
| Potato Services                                            | 869,278.42           |                     |
|                                                            | <b>9,852,862.39</b>  |                     |
| <b>Marketing and Extension</b>                             |                      |                     |
| Branch Management                                          | 210,121.94           |                     |
| Rural Development & Training                               | 538,636.46           |                     |
| Marketing Services                                         | 1,019,765.02         |                     |
| Hog Stabilization                                          | 3,530,887.14         |                     |
| School Milk Program                                        | 101,900.00           |                     |
| West Prince District Office                                | 201,998.78           |                     |
| Summerside District Office                                 | 248,937.06           |                     |
| Charlottetown District Office                              | 238,935.28           |                     |
| Montague District Office                                   | 233,058.56           |                     |
| Souris District Office                                     | 149,754.02           |                     |
|                                                            | <b>6,473,994.26</b>  |                     |
| <b>Appropriate Technology &amp; International Programs</b> | 281,574.52           |                     |
| <b>P.E.I. Marketing Council</b>                            | 105,910.32           |                     |
| <b>Potato Commission</b>                                   | 51,201.68            |                     |
| <b>ALFI</b>                                                |                      |                     |
| Administration                                             | 269,113.61           |                     |
| Tech Advance Initiatives                                   | 519,437.73           |                     |
| Tech Eval. Initiatives                                     | 334,853.12           |                     |
| Tech Adoption (Demo) Initiatives                           | 152,401.00           |                     |
| Tech Dissemination Initiatives                             | 174,332.50           |                     |
| Storage, Handling, Mkt. Support                            | 73,792.50            |                     |
| On Farm Storage Hdlg. Initiatives                          | 169,455.00           |                     |
| Market Org. Supp. Initiatives                              | 89,290.65            |                     |
| Human Resource Development                                 | 281,710.52           |                     |
| Feed Planning                                              | 11,345.00            |                     |
| Technical Evaluation                                       | 92,355.93            |                     |
| Dairy Days                                                 | 4,605.41             |                     |
| Nutrition-Network                                          |                      |                     |
| Extension Training Activities                              | 20,090.82            |                     |
| Microwave Digestion Apparatus                              | 24,326.52            |                     |
| Pasture Management                                         | 10,961.79            |                     |
| <b>Total</b>                                               | <b>2,238,072.10</b>  |                     |
| <b>TOTAL</b>                                               | <b>20,397,219.15</b> | <b>4,293,498.00</b> |

## APPENDIX

### Interprovincial Exchange

Alex Affleck, Freetown to Manitoba  
Korey Dunn Elmsdale, to Saskatchewan  
Juanita MacDonald, Orwell-Orwell Cove to Quebec  
John Wood, Dunstaffnage-Marshfield to British Columbia

### Citizenship Seminar

Kim Andrews, Wheatley River  
Lottie Gamester, Pleasant Valley  
Ellen Hamill, Albany  
Wilma Lank, Wheatley River  
Ray Murphy, St. Ann's  
Karen Profitt, Freetown  
Chaperone: Wendy Warren  
Department of Agriculture  
West Prince District

### Atlantic 4-H Communication Competition

Junior Public Speaking  
Vanessa MacDonald, Eastern Clovers

### Senior Public Speaking

Renee Murphy, East End Circle

### Single Demonstration

Colin Peters, Chepstow-Little Harbour

### Double Demonstration

Allison Doughart & Angela MacDougall,  
Millview-Vernon River

### Washington Conference

Karrie Duncan, North River

### National 4-H Careers' Conference

Jason McCabe, Belfast  
Kim Sullivan, Cherrycliffe

### National 4-H Members' Conference

Patricia Gallant, Mermaid-Mt. Herbert  
Alex Godfrey, Dunstaffnage-Marshfield  
Stacy Jenkins, Millview-Vernon River  
Andrew MacPherson, Wheatley River  
Jeff Valley, Alberry Plains

Steven Yeo, North River  
Chaperone: Sandra Weeks

### Canadian National Exhibition Scholarship Recipient

Mark Craig, North River

### Shell Canada-U.K. Exchange

Jane MacLaurin, Lot 16

### Petro-Canada 4-H Leadership Award Recipient

Justin MacLeod, Uigg-Kinross

### P.E.I. 4-H Council Scholarship

Grant Boswall, Dunstaffnage-Marshfield

### P.E.I. Junior Farmer Ontario Exchange

Carolyn MacQuarrie, Clyde River

### Newfoundland New Ambassadors' Program

Ray Murphy, St. Ann's

### National 4-H Leaders' Conference

Fred Dollar, Winsloe-Brackley  
Helen MacDonald, Winsloe-Brackley  
Nancy Douglas-Elsinga, New Annan  
Geraldine MacDougall, Millview-Vernon River  
Kathryn Doughart, Millview-Vernon River

### Manitoba Leaders' Conference

May Trainor, Fort Augustus

### Most Improved Club of the Year

Belfast

### J. T. Driscoll Memorial Award for Community Project

Dunstaffnage-Marshfield

### Friend of 4-H Award

John Simmonds of Perfection Foods

### Stewart Wright Memorial Scholarship

(Madison Dairy Conference) - Grant Boswall,  
Dunstaffnage-Marshfield; and Nigel Burns, Freetown



#### 4-H Leadership Certificates:

##### Five Year Certificates . . .

|                   |                         |
|-------------------|-------------------------|
| Donna Bernard     | French River            |
| Blanche Clow      | Freetown                |
| Colbourne Clow    | Freetown                |
| Donna Gallant     | Mermaid-Mt. Herbert     |
| Vincent Gallant   | Evangeline              |
| John Hennessey    | Chepstow-Little Harbour |
| Paul MacAulay     | Chepstow-Little Harbour |
| Barbara MacDonald | Seaside                 |
| Helen MacDonald   | Winsloe-Brackley        |
| Shelley MacDonald | Dunstaffnage-Marshfield |
| Wilbur MacDonald  | Orwell-Orwell Cove      |
| Brenda Shields    | French River            |
| Shirley Stewart   | Brooklyn-Heatherdale    |
| Marie Sullivan    | Cherrycliffe            |
| Donald Thompson   | Dunstaffnage-Marshfield |
| Colleen Younie    | Morell                  |

##### Ten Year Certificates . . .

|                   |                         |
|-------------------|-------------------------|
| Minnie Campbell   | Seaside                 |
| Wayne Dickieson   | Cavendish               |
| Laura Pidgeon     | French River            |
| Sylvia Matheson   | Wheatley River          |
| Brenda Montgomery | French River            |
| Bill Pidgeon      | French River            |
| Gwen Thompson     | Brooklyn-Heatherdale    |
| Lorna Thompson    | Dunstaffnage-Marshfield |
| Blois Weeks       | Pleasant Valley         |

##### Twenty-Five Year Certificates . . .

|             |                 |
|-------------|-----------------|
| Mary Doyle  | *Alberry Plains |
| Hilda Stead | Wheatley River  |

#### Royal Winter Fair 4-H Hays Classic

November 1991

Gilles Bernard, Evangeline 4-H Club  
Steve Boswall, Dunstaffnage-Marshfield  
Andrew Dickieson, Cavendish 4-H Club  
Charles Dickieson, Cavendish 4-H Club  
Kent Dollar, Winsloe-Brackley  
James MacPherson, Wheatley River 4-H Club  
(earned Overall 4-H Dairy Championship)

#### Royal Winter Fair National 4-H Beef Heifer Show

November 1991

Sherri Dixon, North River  
Karrie Duncan, North River  
Kurt Duncan, North River  
John MacKinnon, North River  
Jody Sanderson, North River  
Kathie Sanderson, North River  
Jill Stewart, North River  
Tracey Stewart, North River  
Marilee Warren, Elmsdale  
Melanie Warren, Elmsdale

